

OPTICAL LENS COATING APPARATUS

ABSTRACT OF THE DISCLOSURE

A method and apparatus are provided for batch, continuous or semi-
5 continuous coating of optical lenses. The method and apparatus use a plurality of
carriages which are reciprocally moved in the apparatus to transfer jigs from a jig
filled carriage to a lens loading arm and to load the jigs with lenses and then to
transfer the jigs now containing uncoated lenses to a leading empty carriage. Using
such a reciprocating motion, a leading empty carriage is now filled with jigs
10 containing uncoated lenses and the uncoated lenses in the carriage may then be
coated by dipping the carriage in a coating tank. After coating, the coated lenses
are removed from the carriage and the coated lenses removed from the system. A
similar reciprocating motion is used in the coated lens unloading section to transfer
the coated lenses held in the jigs from the carriage to an empty carriage, which
15 empty carriage then becomes a jig filled carriage which can be used in sequence in
the system to secure further uncoated lenses and the process continued.

PENDING PCT